

# 2018-2019 B.S. Information Science & Systems – Information Systems and Web Development Concentration

NAME \_\_\_\_\_ ID# \_\_\_\_\_

## A. Core Foundations

CORE 101	_____	3
CORE 102	_____	3
HNRS 103*	_____	3
CORE 201 PHIL 111: 213	_____	3
CORE 202 PHIL 112	_____	3

**NOTE:** Courses listed in multiple areas can only be used to fulfill a single area requirement.

Students can use two courses with their major prefix to fulfill core requirements.

## B. Core Skills & Knowledge

<b>MATHEMATICAL SCIENCES (3 SH)</b>	
MATH 126 or 171	3
<b>NATURAL SCIENCES (4 SH)</b>	
_____	4
One of the following: ASTR 111, 112 BIOL 103, 104, 105 CHEM 101: 102, 120 GEOL 100, 105: 106 PHYS 111: 112, 221: 222	
<b>HUMANITIES (3 SH)</b>	
_____	3
One of the following: CLSS:110 CCST: 110 ENGL 200, HIST 101, 102 PHIL 111, 112, 200; POSC 110; RELN 111, 112, 203, 206	
<b>VISUAL &amp; PERFORMING ARTS (3 SH)</b>	
_____	3
One of the following: ART 100, 215, 216 CVPA 266 DNCE 111 MUSC 100, 121, 123 THEA 100, 180	

## A. National & International Perspectives

<b>U. S. PERSPECTIVES (3 SH)</b>	
_____	3
One of the following: APST 200 ECON 101, 205, 206, ENGL 203 GEOG 201, 202, 203 HIST 111, 112 POSC 120, SOCY 110	
<b>GLOBAL PERSPECTIVES (3 SH)</b>	
_____	3
One of the following: CVPA 266, ENGL 201; CCST 103; GEOG 101, 102, 140, 280 HIST 101, 102 INST 101 ITEC 112 PEAC 200 RELN 112, 205, SOCY 121, THEA 180 WMST 200	

## B. Supporting Skills & Knowledge

<b>NATURAL SCIENCES OR MATH (3/4 SH)</b> (Must select a 4-credit lab science)	
_____	4
One of the following: ASTR 111, 112 BIOL 103, 104, 105 CHEM 101: 102, 120 GEOL 100, 105:106 PHYS 111: 112, 221:222	
<b>HUMANITIES, VISUAL &amp; PERFORMING ARTS, OR FOREIGN LANGUAGES (3-4 SH)</b>	
_____	3-4
One of the following: CLSS 110 CCST 110 ENGL 200 HIST 101, 102 PHIL 111, 112, 200; POSC 110; RELN 111, 112, 203, 206; CVPA 266; Or ART 100, 215, 216 DNCE 111, MUSC 100, 121, 123 THEA 100, 180 Or CHNS 101: 102, 201: 202 ARAB 101, 102, 201, 202, FORL 100, 109, 200, 210, 209, 309, 409; FREN 100, 200:210, 300, 320 GRMN 100, 200: 210, 300 LATN 101 102, 201, 350; RUSS 101, 102, 200, 210, 300; SPAN 101: 102, 105 201, 202	
<b>SOCIAL/ BEHAV. SCI. OR HEALTH &amp; WELLNESS (3 SH)</b> ECON 206	

### **Degree Core Requirements C or Better Required: Information Technology:**

ITEC 110	_____ (3)	Principles of Information Technology	F/S
*ITEC 120	_____ (4)	Principles of Computer Science I	F/S
*ITEC 220	_____ (4) OR	Principles of Computer Science II	F/S
*ITEC 315	_____ (3)	Graph. User Interface Dsn and Imple.	F/S
ITEC 281	_____ (3)	Data Analysis & Management/ Spread.	F/S
ITEC 225	_____ (3)	Web Programming I	F/S
*ITEC 345	_____ (3)	Introduction to Information Security	F/S
ITEC 340	_____ (3) OR	Database I	F/S
ITEC 304	_____ (3)	Database from the Manager's Perspective	??
ITEC 350	_____ (3) OR	Intro of Computer Networks	??
ITEC 205	_____ (3)	Data Communications and Networks	??
ITEC 370	_____ (3) OR	Software Engineering	F/S
ITEC 369	_____ (3)	System Analysis and Design	??
ITEC 395	_____ (3)	Project Management	??
ITEC 466	_____ (3)	Information Assurance Management	
ITEC 490	_____ (1)	IT Professionalism	F/S
ITEC 495	_____ (3)	Information Systems Capstone	S

### **Business:**

ACTG 211	_____ (3)	Fundamentals of Financial Accounting	F/S
ACTG 212	_____ (3)	Fundamentals of Managerial Accounting	F/S
ECON 205	_____ (3)	Principles of Macroeconomics	F/S
MGNT 322	_____ (3)	Organizational Behavior	F/S
MGNT 333	_____ (3)	Business Analysis for Decision Making	F/S
MGNT 357	_____ (3)	Operations Management	F/S
MKTG 340	_____ (3)	Principles of Marketing	F/S

### **MATH/STAT**

MATH 126	_____ (3) OR	Business Calculus	F/S
MATH 168	_____ (3) OR	Calculus I with Integrated Precalculus I	F/S
MATH 171	_____ (4)	Calculus and Analytic Geometry I	F/S
STAT 200	_____ (3) OR	Introduction to Statistics	F/S
STAT 301	_____ (3)	Probability and Statistics	F/S

### **Prerequisites**

None	
ITEC 109 or SAT MATH score 550 or higher	
ITEC 120 "C" or better	
ITEC 225	
None	
ITEC 120 "C" or better	
ITEC 120 "C" or better	
ITEC 220 "C" or better	
None	
ITEC 220 C or better	
SO standing	
ITEC 220 "C" or better	
ITEC 120 and JR Standing	
JR Standing	
ITEC 345	
SR Standing, ITEC major	
SR, ISAS major, ITEC 225, 304 or 340, 369 or 370, & MGNT 357	
Sophomore Standing	
ACTG 211	
None	
JR Standing	
JR Standing, STAT 200, and MATH 125, 126, 151,169, or 171	
MGNT 333	
None	
4 yrs of HS Math or MATH 125 C>	
Grade of B- or better in high school Algebra II or equivalent	
C or better in MATH 138, Math SAT ≥ 550 or college pre-calc ≥ "C"	
None	
MATH 172 with a grade of "C" or better	

### **Concentration Requirements for Information Systems and Web Development Concentration (9 credits):**

ITEC 325	_____ (3)	Web Programming II	??	ITEC 225 C > and either ITEC 340 or both ITEC 304 & 315
ITEC 375	_____ (3)	Data Science	??	"C" or better in ITEC 120, STAT 200 & junior standing
ITEC 425	_____ (3)	Advanced Web programming	??	ITEC 325

### **B.S. requirements 6-8 hrs:**

Any 200, 300 or 400-level ITEC course (except ITEC 301, ITEC 304, ITEC 307, ITEC 381, ITEC 398, and ITEC 498) or any 500 or 600-level ITEC course approved by the Department Chair, MATH 152/172, Any 200-level or above MATH, ASTR 111, ASTR 112, any BIOL (except 301 and 302), any CHEM, any GEOL any PHYS, GEOS 250 or ITEC 250 or PHYS 301